



# 1999 Toxics Release Inventory

## GEORGIA

### Reported Releases and Waste Management Activities (in pounds)

	Original Industries	New Industries	Total
On-site Releases	57,186,011	65,954,422	123,140,433
Air Emissions	47,896,400	54,614,190	102,510,590
Surface Water Discharges	7,382,145	113,987	7,496,132
Underground Injection Class I Wells	0	0	0
Underground Injection Class II-V Wells	0	0	0
On-site Land Releases to RCRA Subtitle C Landfills	1,266	0	1,266
Other On-site Land Releases	1,906,200	11,226,245	13,132,445
Off-site Releases (Transfers Off-site to Disposal)*	3,764,266	19,582	3,783,848
<b>Total On- and Off-site Releases</b>	<b>60,950,277</b>	<b>65,974,004</b>	<b>126,924,281</b>
Recycled On-site	278,533,026	3,993,600	282,526,626
Recycled Off-site	53,538,883	119,185	53,658,068
Energy Recovery On-site	55,205,937	31,540	55,237,477
Energy Recovery Off-site	12,287,418	28,161	12,315,579
Treated On-site	157,728,920	292,505	158,021,425
Treated Off-site**	6,812,218	6,902	6,819,120
Quantity Released On- and Off-site***	65,295,118	65,976,205	131,271,323
<b>Total Production-related Waste Managed</b>	<b>629,401,520</b>	<b>70,448,098</b>	<b>699,849,618</b>
<b>Total Non-production-related Waste Managed</b>	<b>759,682</b>	<b>181</b>	<b>759,863</b>

### Transfers Off-site for Further Waste Management/Disposal

Recycling	52,674,059	117,590	52,791,649
Energy Recovery	11,893,109	25,092	11,918,201
Treatment	4,758,594	21,700	4,780,294
Publicly Owned Treatment Works (POTWs)	4,320,560	35	4,320,595
Metals and Metal Compounds*	399,705	0	399,705
Non-metal TRI Chemicals**	3,920,855	35	3,920,890
Other Off-site Transfers***	0	0	0
Off-site Transfers to Disposal (not including metals to POTWs)	8,912,839	19,627	8,932,466
<b>Total Transfers Off-site for Further Waste Management/Disposal</b>	<b>82,559,161</b>	<b>184,044</b>	<b>82,743,205</b>

\* Transfers to POTWs of metals and metal compounds are included in off-site releases. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

\*\* Transfers to POTWs of non-metals are included in treated off-site waste management activity.

\*\*\* Excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions.

\*\*\*\* Transfers reported without a valid waste management code.

### For More Information . . .

#### State Contact:

Dr. Bert K. Langley  
(404) 656-6905  
Fax: (404) 657-7893

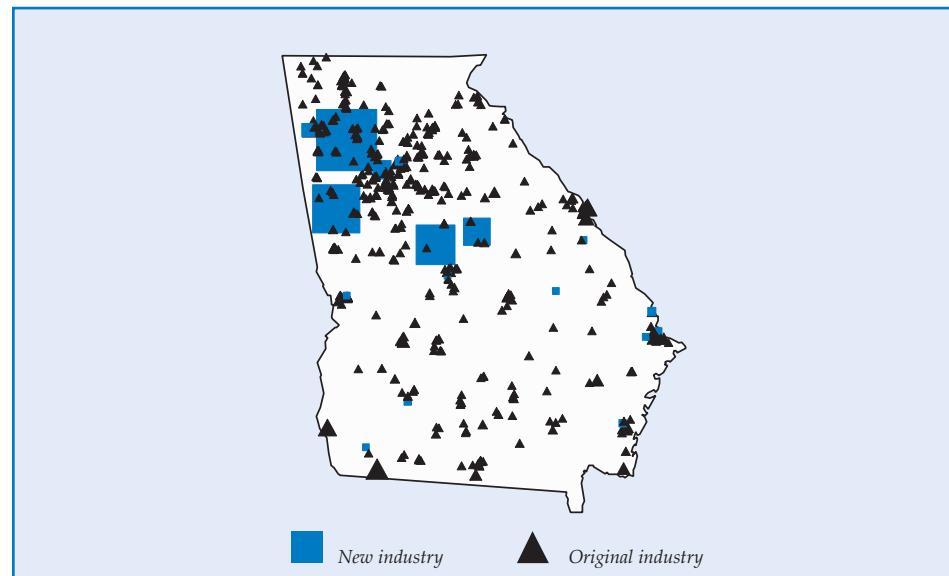
#### EPA Regional Contact:

Ezequiel Velez  
(404) 562-9191  
Fax: (404) 562-9163

#### To obtain TRI data use

assistance, call TRI User  
Support Service (TRI-US):  
(202) 260-1531

E-mail: bert\_langley@mail.dhr.state.ga.us E-mail: velez.ezequiel@epa.gov Fax: (202) 401-2347



The largest marker in the state map represents the largest facility for on-site releases in the state of Georgia. All markers are proportionally-sized to represent the on-site releases at each facility within this state.

### State/TRI Data

Population	7,788,240
Square Miles	57,919
Total Facilities	746
Total Forms	2,539
Form As	645

	Original Industries	New Industries	Total
<b>National Rank for Total On- and Off-site Releases*</b>			
Rank	14	16	19
Pounds	60,950,277	65,974,004	126,924,281
<b>National Rank for Total On-site Releases**</b>			
Rank	13	13	18
Pounds	57,186,011	65,954,422	123,140,433
<b>National Rank for Total Releases within State***</b>			
Rank	15	16	19
Pounds	60,112,931	66,164,639	126,277,570
<b>National Rank for Production-related Waste Managed</b>			
Rank	11	23	15
Pounds	629,401,520	70,448,098	699,849,618

\* Includes transfers out-of-state for disposal. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

\*\* Includes amounts released at the facility. Excludes amounts transferred to other sites.

\*\*\* Excludes transfers for disposal sent out-of-state or sent to other TRI facilities within the state reporting that amount released on-site.



# 1999 Toxics Release Inventory

## GEORGIA

### On-site and Off-site Releases for Top Ten Chemicals Ranked on Total Releases in the State (Original Industries)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-Site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
67-56-1	Methanol	12,474,260	165,758	0	12,994	106,263	12,759,275	1	100,576	10,090
7664-41-7	Ammonia	8,874,791	147,855	0	20,638	50,844	9,094,128	17,159	50,842	2
--	Nitrate compounds	8,038	6,096,711	0	374,046	54,865	6,533,660	51,000	54,585	280
--	Zinc compounds	95,544	143,385	0	107,351	4,176,631	4,522,911	146,510	564,837	3,611,794
1330-20-7	Xylene (mixed isomers)	3,206,766	45	0	0	90,718	3,297,529	588	1,173	89,545
100-42-5	Styrene	3,189,161	5	0	500	17,644	3,207,310	6,940	17,644	0
108-88-3	Toluene	2,531,229	648	0	0	33,560	2,565,437	10,773	2,922	30,638
7647-01-0	Hydrochloric acid	2,532,141	0	0	0	0	2,532,141	0	0	0
--	Manganese compounds	59,552	496,340	0	538,286	552,171	1,646,349	12,934	333,047	219,124
--	Lead compounds	17,210	707	0	5	1,327,065	1,344,987	19,322	83,103	1,243,962

\* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

\*\* The chemical ranking is based on the amounts in this column.

### On-site and Off-site Releases for Top Ten Chemicals Ranked on Total Releases in the State (Seven New Industries)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-Site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
7647-01-0	Hydrochloric acid	45,997,737	0	0	0	0	45,997,737	0	0	0
--	Barium compounds	31,843	21,753	0	6,993,076	0	7,046,672	545	0	0
7664-93-9	Sulfuric acid	4,860,047	0	0	0	0	4,860,047	0	0	0
7664-39-3	Hydrogen fluoride	3,547,287	0	0	0	0	3,547,287	0	0	0
--	Copper compounds	5,862	41,608	0	774,837	0	822,307	670	0	0
--	Manganese compounds	9,489	25,169	0	748,464	0	783,122	256	0	0
--	Zinc compounds	18,644	15,449	0	675,936	840	710,869	530	840	0
--	Chromium compounds	7,613	3,045	0	641,683	23	652,364	1,134	0	23
--	Nickel compounds	6,847	5,731	0	546,179	0	558,757	30,795	0	0
--	Cobalt compounds	2,774	0	0	331,435	0	334,209	500	0	0

\* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

\*\* The chemical ranking is based on the amounts in this column.



# 1999 Toxics Release Inventory

## GEORGIA

### On- and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (Original Industries)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection				On-site Releases to Land			Transferred Within State Pounds	Transferred Out of State Pounds
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
Inland Paperboard & Packaging Inc., Rome, Floyd	3,800,005	195,933	0	0	0	149,184	4,145,122	51,044	0
Engelhard Corp. Attapulgius Ops., Attapulgius, Decatur	3,011,401	1,121,343	0	0	0	0	4,132,744	0	0
DSM Chemicals N.A. Inc., Augusta, Richmond	460,151	2,663,358	0	0	0	0	3,123,509	3,429	0
Great Southern Paper Co., Cedar Springs, Early	2,587,581	63,906	0	0	0	316,489	2,967,976	0	0
Union Camp Corp., Savannah, Chatham	2,638,990	289,890	0	0	0	0	2,928,880	338,950	33,390
International Paper, Augusta, Richmond	1,601,930	230,875	0	0	0	254,120	2,086,925	0	0
GM MLCG Doraville Assembly Facility, Doraville, De Kalb	2,060,709	33	0	0	0	0	2,060,742	1,650	166,004
Georgia-Pacific Corp. Brunswick Ops., Brunswick, Glynn	1,742,351	120,584	0	0	0	40,421	1,903,356	0	0
PCS Nitrogen Fertilizer L.P., Augusta, Richmond	1,512,820	283,400	0	0	0	0	1,796,220	0	0
Riverwood Intl. Corp., Macon, Bibb	1,344,675	3,000	0	0	0	106,200	1,453,875	86,700	0

\*The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.

### On- and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (Seven New Industries)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection				On-site Releases to Land			Transferred Within State Pounds	Transferred Out of State Pounds
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
Bowen Steam Electric Generating Plant, Cartersville, Bartow	19,053,526	13,848	0	0	0	984,570	20,051,944	0	46
Wansley Steam Electric Generating Plant, Roopville, Heard	13,851,667	5,967	0	0	0	1,353,600	15,211,234	0	0
Scherer Steam Electric Generating Plant, Juliette, Monroe	6,549,743	26,014	0	0	0	5,499,531	12,075,288	1	0
Branch Steam Electric Generating Plant, Milledgeville, Putnam	6,253,805	12,254	0	0	0	1,257,201	7,523,260	1	0
McDonough/Atkinson Steam Electric Generating Plant, Smyrna, Cobb	3,932,047	14,557	0	0	0	327,290	4,273,894	0	0
Yates Steam Electric Generating Plant, Newnan, Coweta	1,681,544	28,700	0	0	0	940,996	2,651,240	0	0
Hammond Steam Electric Generating Plant, Coosa, Floyd	1,613,661	3,147	0	0	0	701,593	2,318,401	0	0
Savannah Electric - Plant McIntosh, Rincon, Effingham	505,723	40	0	0	0	16,381	522,144	0	0
Arkwright Steam Electric Generating Plant, Macon, Bibb	346,822	15	0	0	0	22,930	369,767	0	0
Savannah Electric - Plant Kraft, Port Wentworth, Chatham	314,545	146	0	0	0	13,082	327,773	0	0

\*The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.



# 1999 Toxics Release Inventory

## GEORGIA

### Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (Original Industries)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site*	Total Production- related Waste Managed Pounds	Total Non- Production- related Waste Managed Pounds
Southwire Co., Carrollton, Carroll	0	1,073,188	0	103	3	82	4,529,070	5,602,446	656,289
Inland Paperboard & Packaging Inc., Rome, Floyd	0	0	17,924,000	0	2,907,200	0	4,191,143	25,022,343	7
Engelhard Corp. Attapulcus Ops., Attapulcus, Decatur	0	0	0	0	4,279	0	4,132,744	4,137,023	0
Union Camp Corp., Savannah, Chatham	158,330	0	2,838,330	263,030	6,084,690	33,360	3,267,030	12,644,770	0
DSM Chemicals N.A. Inc., Augusta, Richmond	1,589,867	0	2,197,080	28,937	11,098,595	31,652	3,132,507	18,078,638	0
Great Southern Paper Co., Cedar Springs, Early	2,800	0	90,030	0	5,467,270	2,000	2,995,100	8,557,200	0
GM MLCG Doraville Assembly Facility, Doraville, De Kalb	0	817,019	0	11,620	314,774	102,800	2,219,010	3,465,223	0
International Paper, Augusta, Richmond	0	0	107,700	0	16,911,670	0	2,082,150	19,101,520	0
Georgia-Pacific Corp. Brunswick Ops., Brunswick, Glynn	0	0	0	0	25,914,493	0	1,903,356	27,817,849	0
PCS Nitrogen Fertilizer L.P., Augusta, Richmond	0	0	0	0	0	0	1,796,320	1,796,320	0

\*The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

### Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (Seven New Industries)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site*	Total Production- related Waste Managed Pounds	Total Non- Production- related Waste Managed Pounds
Bowen Steam Electric Generating Plant, Cartersville, Bartow	0	0	0	0	0	0	20,051,995	20,051,995	0
Wansley Steam Electric Generating Plant, Roopville, Heard	0	0	0	0	0	0	15,211,232	15,211,232	0
Scherer Steam Electric Generating Plant, Juliette, Monroe	0	0	0	0	0	0	12,075,291	12,075,291	0
Branch Steam Electric Generating Plant, Milledgeville, Putnam	0	0	0	0	0	0	7,523,261	7,523,261	0
McDonough/Atkinson Steam Electric Generating Plant, Smyrna, Cobb	0	0	0	0	0	0	4,273,895	4,273,895	0
Yates Steam Electric Generating Plant, Newnan, Coweta	0	0	0	0	0	0	2,651,239	2,651,239	0
Hammond Steam Electric Generating Plant, Coosa, Floyd	0	0	0	0	0	0	2,318,402	2,318,402	0
Savannah Electric - Plant McIntosh, Rincon, Effingham	0	0	0	0	0	0	522,144	522,144	0
Arkwright Steam Electric Generating Plant, Macon, Bibb	0	0	0	0	0	0	369,766	369,766	0
Savannah Electric - Plant Kraft, Port Wentworth, Chatham	0	0	0	0	0	0	327,773	327,773	0

\*The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.